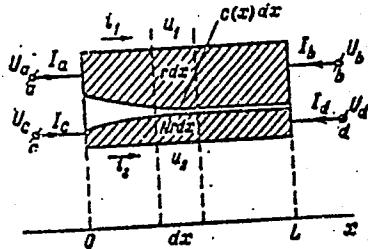


ACC NR: AP6027235



by a semiconductor supporting base. Although several nonuniform structures have been analyzed by other researchers (e.g., P. S. Castro, Proc. Nat. El. Conf., v. 19, 1963), they cannot represent the p-n junction. The transient response of such a p-n-junction-containing structure is investigated using differential and integral circuits as examples. The transient-response theoretical curves are corroborated by experimental curves obtained from a p-Ge

specimen acted upon by 30-nsec pulses. Orig. art. has: 4 figures and 17 formulas.

SUB CODE: 09 / SUBM DATE: 30Mar65 / ORIG REF: 000 / OTH REF: 003

Card 2/2

KOLESOV, L.V.; GAVRILOV, V.D. [Mavrylov, V.D.]

Scientific and technical conference of Kiev industrial enterprises
on questions of the introduction of advanced technological methods,
improvement of product quality, and lowering of the cost of products.
Vinyk AM URSR 29 no.9:77-80 S '58. (MIRA 11:11)
(Kiev—Industry)

KOLESOV, L.V.

Congress on coordination in dealing with "Physical principles of strength and plasticity." Dop.AN UESR no.9:1304-1306 '60.
(MIRA 13:10)

(Metals)

KOLESOV, M. A.: Master Med Sci (diss) -- "The lymphatic and blood system of the mucosa and submucosal layer of the larynx of man". Tomsk, 1958. 10 pp (Min Health RSFSR, Tomsk State Med Inst), 200 copies (KL, No 11, 1959, 122)

KOLESOV, M.A.

USSR / Human and Animal Morphology (Normal and Pathological).
Lymphatic System.

S

Abs Jour : Ref Zhur - Biol, No 21, 1958, No 97115

Author : Kolesov, M.A.

Inst : Not given

Title : Lymphatic and Blood Vessels of the Mucosal Membrane and
the Submucosal Layer of the Human Larynx.

Orig Pub : Arkhiv anatomi, gistol. i embriol., 1958, 35, No. 2, 91-100

Abstract : It was shown on 93 specimens of the larynx (L) of humans
from fetuses to 60 years of age that in the mucosal membrane
of L there are 2 networks of lymphatic capillaries (LC),
and in the submucosal layer of L - a network of LC and a
plexus of lymph vessels. LC not only surround the mucous
glands of L, but also spread among their separate lobules.
From the upper surface of true vocal folds, lymph flows
off into the superior deep jugular cervical nodes, and from

Card 1/2

Chair Normal Anatomy Leningrad San. Hygiene Med. Inst.

52

KOLEGOV, N. A.

"'Solodi' [Melt Soils] and Melt-Like Soils of Western Siberia."
Cand Agri Sci, Omsk Agricultural Inst, Omsk, 1953. (RZhGeol, Sep 54)

SO: Sum 432, 29 Mar 55

USSR/Soil Science - Soil Genesis and Geography.

J

Abs Jour : Ref Zhur Biol., No 19, 1958, 86711

Author : Kolesov, N.A.

Inst : Omsk Agric. Inst.

Title : Properties of Soloths.

Orig Pub : Tr. Omskogo s.-kh. in-ta, 1957, No 1, 191-208

Abstract : In western Siberia soloths are encountered in a complex with Solodized soils on crests, with chernozems on elevated plains and with solonetz soils in various depressions. Development of the turf process brings about a considerable rise in the fertility of these soils. When plowing the soloths under grain crops, it is essential to take into account which soloth horizons are involved in the tilled layer. In the turf horizon, nitrogen fertilizer is effective in the first year, and phosphorous fertilizers in the

Card 1/2

- 14 -

USSR/Soil Science - Soil Genesis and Geography.

J

Abs Jour : Ref Zhur Biol., No 19, 1958, 86696

Author : Kolesov, N.A.

Inst : Tomsk University

Title : Genesis and Classification of Soloths and Solodized Soils

Orig Pub : Tr. Tomskogo un-ta, 1957, 140, 17-25

Abstract : Solodized soils that develop on crests, plains and small depressions, are distinguished from the Solodized soils of traps by the absence of the whitish horizon A₂. A diagram is given of the development of the solonchak-solonet-soloth soil complex and a classification of soloths. It is proposed that soils be divided according to the thickness of the eluvial-accumulative horizon, the correlation of the turf and solodized horizons, the content of humus in the turf horizon and by the degree of bog formation in the

Card 1/2

KOLESOV, N.V.

Individual variability in Fedbel'skaya cherries. Ref. nauch. rab.
VNIKOP no.3:95-97 '55. (MLRA 9:11)

1. Zaveduyushchiy Yezkim opornym punktom Vsesoyuznogo nauchno-
issledovatel'skogo instituta konservnoy i oboshchesushil'noy pro-
myshlennosti.
(Cherry)

KOL'CHIK, A., Geory Sotsialisticheskogo Truda; SHAFIKOV, Kh.;
KOLESOV, O.; POYMANOV, D.

The program of the party is the people's banner. Sov.shakht.
10 no.9:4-5 S '61. (MIRA 14:8)

1. Brigadir shakhty imeni Lutugina tresta Chistyakovntratsit (for Kol'chik).
2. Rukovoditel' kombaynovoy brigady uchastka kommunisticheskogo truda shakhty No.37 kombinata Karagandaugol' (for Shafikov).
3. Nachal'nik shakhty kommunisticheskogo truda "Kommunist-Novaya" v Donbasse (for Kolesov).
4. Zamestitel' sekretarya partorganizatsii shakhty No.29 kombinata Vorkutugol' (for Poymnov).

(Coal mines and mining--Labor productivity)

MURAV'YEV, S., brigadir; DENNIK, F.; KOLESOV, O.; TOROPCHIN, S.;
KOROLEV, I.; AGZAMOV, D., gornyy master

To live and work the communist way. Sov.shakht. 10 no.12:4-11
D '61. (MIRA 14:12)

1. Zhakhta No.1 "TSentral'naya" tresta Krasnoarmeyskugol' (for Murav'yev).
2. Zamestitel' sekretarya partorganizatsii Shakhty No.1 "TSentral'naya" tresta Krasnoarmeyskugol' (for Dennik).
3. Nachal'nik shakhty "Kommunist-Novaya" tresta Oktyabr'ugol' (for Kolesov).
4. Predsedatel' komiteta profsoyuza shakhty "Kommunist-Novaya" tresta Oktyabr'ugol' (for Toropchin).
(Coal miners)

KOLESOV, O.A., inzh.

"Kommunist-Novaia" Mine is an enterprise of communist labor. Ugol' 35 no.11:4-8 N '60.
(MIRA 13:12)

1. Nachal'nik shakhty "Kommunist-Novaya".
(Donets Basin--Coal mines and mining--Labor productivity)

KOLESOV, O.M., kand.tekhn.nauk

Errors in the technological process caused by thermal deformations
of the system machine tool-attachment-cutting tool-workpiece and
of the workpieces. Vest.mash. 40 no.2:53-56 F '60.

(Metal cutting)

(Thermal stresses)

(MIRA 13:5)

L 41254-66 FWT(1) RO

ACC NR:	AR6022388	(N)	SOURCE CODE:	UR/0397/65/000/024/0071/0072
AUTHOR:	<u>Kolesov, O. Ye.; Cherepanov, V. N.</u>			
TITLE:	<u>Antidote action of cobalt mercaptides in cyanide poisoning</u>			
SOURCE:	Ref. zh. Farmakologiya. Toksikologiya, Abs. 24.54.568			
REF SOURCE:	Sb. Farmakol. i toksikologiya. Vyp. 1. Kiyev, Zdorov'ya, 1964, 167-173			
TOPIC TAGS:	cyanide, poison effect, chemotherapy, cobalt, mercaptan, toxicology			
ABSTRACT:	Cobalt mercaptides were investigated: 2,3-cobalt-dimercaptopropane sulfonate Na (Co-unithiol; I), 1,3-cobalt-dimercaptoisopropane sulfonate Na (Co-isounithiol II), 2,3-cobalt-dimercaptopropyl mercaptoethane sulfonate Na (III), 2,3-cobalt-dimercaptopropyl mercaptoethane sulfonate Na (IV), cobalt mercaptoethane sulfonate Na (V) and also Co ₂ EDTA. Experiments were conducted on rats. NaCN was administered subcutaneously (1% solution). The preparations under study were administered subcutaneously and intraperitoneally in the form of 10% aqueous solutions. Co ₂ EDTA was most toxic. Eight of the 15 animals poisoned with a LD ₁₀₀ of NaCN (10 mg/kg) and treated with I (120 mg/kg dose) survived with intraperitoneal administration of the preparation and 3 of the 15 animals survived with subcutaneous			
Card 1/2		UDC: 615.92		

L 41254-66

ACC NR: AR6022388

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723820009-0"

administration. Fourteen of 15 animals survived with intraperitoneal administration of III (100 mg/kg). Prophylactic administration of III intraperitoneally or subcutaneously prevented death of animals. However, with increase of NaCN dose to 2 LD₁₀₀ almost all animals died. III, IV and V proved ineffective. Seven of the 15 rats given a LD₁₀₀ of NaCN and treated with Co₂ EDTA (30 mg/kg dose) survived with intraperitoneal administration of the preparation and 5 of 15 animals survived with subcutaneous injection of the preparation. In the case of prophylactic administration of Co₂ EDTA, 8 of 10 animals survived with intraperitoneal administration and 7 of 10 animals survived with subcutaneous administration. Thus, antidote properties are displayed by complexes of bivalent cobalt with a B trilon in which the cobalt is bonded to the carboxyl groups and nitrogen atoms at the expense of coordinated bonds and also by mercaptides in which the metal is combined with sulfur atoms at the expense of ordinary covalent bonds. N. Popov. Translation of abstract.

SUB CODE: 06, 07

Card 2/2 MT

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000723820009-0

KOLESOV, P. S.

"The Afroclimatic Regional Distribution of Kazakhstan," Izd. AN USSR,
1947.

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000723820009-0"

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000723820009-0

VERKHOVSKIY, I.M.; VINOGRADOV, N.N.; FILATOVA, S.M.; KOLESOV, R.I.; KOLLODIY,
K.K.; GOLOVNIN, Yu.M.; GANOV, V.S.; SOROKIN, A.I.

Device for controlling the degree of loosening of the bed in a
jigging machine. Gor. zhur. no.7:72 Jl '64. (MIRA 17:10)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000723820009-0"

KOLESOV, S.G., prof.

Improve methods of prophylactic vaccination. Veterinariia 38
no.1:27-29 Ja '61. (MIRA 15:4)

1. Gosudarstvennyy nauchno-kontrol'nyy institut veterinarnykh
preparatov.

(Vaccination) (Veterinary medicine)

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000723820009-0

KOLESOV, S. G.; POPOV, L. F.; IVANSKII, I. G.; GORLOV, B. V.
SO: "Bivalent serum against plague and erysipelas of swine."
Veterinariia 24(1), 1947, p. 25.

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000723820009-0"

KOLESOV, S. G.

Serum against Anthrax

SO: Bakteriologicheskiye i Khimioterapeuticheskiye Veterinarnye Preparaty,
pp 267-279, Moscow, 1948

KOLESOV, S. G., Cand. of Vet. Sci.
USSR, Ministry of Agriculture, State Scientific Control Institute of Veterinary Preparations.
"L. S. Tsenkovskii (On the 65th Anniversary of the use of anthrax vaccines)." SO: Veterinariia 25(11), 1948, p. 46

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000723820009-0

KOLESOV, S.G.

22604. Kolesov, S.G. O sovremenном sostoyanii immunogenicheskikh svoystv 2-y vaktsiny
tsenkovskogo. Veterinariya, 1949, No. 7, S. 19-20
SO: LETOPIS: No. 20, 1949

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000723820009-0"

USSR/Medicine - Infectious Diseases

(Veterinary)

May 51

"On Vaccination Against Anthrax with STI Vaccine,"
 Prof S. G. Kolesov, State Sci Control Inst of Vet
 Preps, Min of Agr USSR
 "Veterinariya" Vol XXVIII, No 5, pp 32-34

Prof N. N. Ginsburg's STI vaccine, which was ap-
 proved in 1943 for use, must on basis of extensive
 experience be regarded as harmless and effective
 however: animals form oedemas and have complications.
 This is due to activation of latent form of some

IC

USSR/Medicine- Infectious Diseases

(Veterinary) (Contd)

May 51

other disease. Expts on mice, guinea pigs, and
 rabbits having latent infection produced by sub-
 lethal dose of septic vibrios, emphysematous car-
 buncle ("shumyashchii karbunkl"), or hemorrhagic
 septicemia showed that STI vaccination activates the latest infection. Some farm animals
 die of complications produced by STI vaccine. Mi-
 croorganisms of the vaccine can then be isolated.
 Mice from oedemas and heart blood or such animals.

182T76

182T76

KOLESOV, S. G.

"Controlled Variability of Anthrax microbes for the purpose of obtaining a vaccine"
"Modern Methods of Active Prophylaxis of Anthrax"

(above are reports delivered by Doctor of Vet Sci, Prof S. G. Kolesov at a scientific conference held in Moscow from 3-9 April 1951, dedicated to the twentieth anniversary of the State Scientific Control Institute of Veterinary Preparations - 1931-51)

SOURCE: Veterinariya, Vol 28, No 6, pp 60-62, June 1951. Trans # 4 by L. Lulich

KOLESOV, S.G.

[Desiccation of microorganisms and biopreparations] Vysushivanie
mikroorganizmov i biopreparatov. Moskva, Gos. izd-vo selkhoz
lit-ry, 1952. 220 p.
(MLRA 7:6)
(Biological specimens--Collection and preservation)

KOLESOV, S. G.

"Dry Bacterial Cultures and Their Biological Properties," pp. 225-240

"The Titration of Antianthrax Serum on Guinea Pigs," pp. 297-99

"Obtaining Antianthrax Serum by the Method of Hyperimmunization of Horses with a Killed Culture of Bacteria of Anthrax," pp. 299-301

"Experiments on Strengthening of Virulent Properties of the Matrixes of Tsenkov's Vaccines, pp. 302

Source for above: Trudy Nauchno-kontrol'nego Instituta Veterinarykh Preparatov,
Moscow, Vol. 3, 1952

ISCH Medicine, Veterinary - Infectious Diseases

Sep 52

"Antianthrax Vaccination with Tsenkovskiy's Vaccine II Alone," Prof P. A. Terent'ev, Sci Exptl. Cine II. Alone, in "Young Animals," State Lab for Control of Diseases in Young Animals, Min of Sovkhozes RSFSR, Prof S. G. Kolesov, State Sci Control Inst.

"Veterinariys" Vol. XIX, No 9, pp 21-24

The authors of this article state that extensive experiments, conducted on millions of animals by practical veterinaries, showed that wide utilization of the Tsenkovskiy's vaccine II alone is

225T20

(1) _____
 practical. Exceptions are admitted in spring-summer vaccination of horses, sheep, and goats, because they are more sensitive to vaccines during those periods of the year. Originally vaccine I was used to protect the organism in order to exert complications produced by vaccine II. Since virulence of both vaccines I and II has decreased with time, the use of vaccine I is now unnecessary. Administration of vaccine I now produces neither local nor general reaction in cattle and consequently does not impart immunity. Expts and with vaccine II only during all seasons of the year with vaccine II only during all seasons of the year showed that complications or deaths were rare. Cattle showed that complications or deaths were rare. Cattle can withstand Tsenkovskiy's vaccine II much better than other animals during the fall season of the year, however. Re-exam of immunogenic properties of

(2)
 225T20

KOLESOV, S. G. (PROF)

KOLESOV, S.G., professor.

Present-day methods of active prophylaxis of malignant anthrax.
Trudy Gos.nauch.-kont.inst.vet.prep. 4:178-192 '53.(MLRA 7:10)
(Anthrax--Preventive inoculation) (Vaccines)

KOLESOV, S. G.

"Directed Mutation of Malignant Anthrax Bacilli To Produce Vaccine"

Tr. Gos. Nauch. Kontrol'n. In-ta Vet. Preparatov. No 4, 1953, 193-208

Author attempted to produce mutation of strains of malignant anthrax by subjecting them to increased temperature. The young bacterial cells so treated developed more quickly than the cultured ones. The culture consisted of short rods arranged in pairs or singly. On meat-peptone bouillon the cultures grew diffusely but on agar they grew in R or S-shaped rows. Four out of 14 strains were harmless to rabbits and two of these also to guinea pigs. However, the strains retained their immunogenic properties. This may serve to produce a new harmless malignant-anthrax vaccine. (RZhBiol, No 9, May 1955)

SO: Sum-No 787, 12 Jan 56

KOLESOV, S.G., professor; BORISOVICH, Yu.F., auchnyy sotrudnik.

Occurrence and regeneration of filterable forms of anthrax bacillus from anthrax serum. Veterinariia 31 no.1:29-33 Ja '53. (MLRA 6:12)

1. Gosudarstvennyy nauchno-kontrol'nyy institut veterinarnykh preparatov.

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000723820009-0

KULESOV, S. G. (Prof) and Yu. F. Borisovich, Sci Coworker, State,Scientific Control
Institute for Veterinary Preparations

/KULESOV//S//d////(professor) "Development and Regeneration of Filterable Forms of
Anthrax Microbes from the Anthrax Sera"

So: Veterinaryia; Vol 31; No. 1; January 1954; Unclassified.

TABCON

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000723820009-0"

KOLESOV, S.G., professor; GRACHEV, V.N. [deceased]

Method of producing and large-scale testing of an active antianthrax serum. Veterinaria 32 no.5:82-85 Ky '55. (MLRA 8-7)

1. Geskentreler (for Grachev).
(ANTHRAX--PREVENTIVE INOCULATION)

COUNTRY	: USSR	R
CATEGORY	: Diseases of Farm Animals. Diseases Caused by Bacteria and Fungi	
ART. JOUR.	: ZOOSHIG., № 13, 1958, №, 59696	
AUTHOR	: Kolesov, S. G.; Mikhaylov, N. A.	
INST.	: State Scientific-Control Institute of Veterinary st	
TITLE	: Study of the Immunogenic Properties of Aluminum Hydroxide Vaccine Against Siberian Plague and Its Trial in Large-Scale Practice	
ORG. PNR.	: Tr. Gos. nauchno-kontrol'n, inst po vet-preparatam, 1956, 6, 250-255	
ABSTRACT	: The aluminum hydroxide vaccine against Siberian plague obtained by Kolesov produces immunity lasting not less than one year in the inoculated sheep. The vaccine is harmless and may be recommended for prophylactic inoculations of farm animals.	
 * Preparations		
Card:	1/1	

R - 9

Country	: USSR
Category	: Microbiology. Microbes Pathogenic For Man and Animals. Aerobic Bacilli
Abs. Jour	: Ref Zhur-Biol., No 23, 1958, No 103863
Author	: Kolesov, S.G.
Institut.	: State Scientific Control Institute for Veterinary*
Title	: Methods of Obtaining Vaccines Against Anthrax
Orig Pub.	: Tr. Gos. nauchno-kontrol'n. in-ta vet preparatov, 1957, 7, 177-193
Abstract	: No abstract

*Preparations

Card: 1/1

USSR / Diseases in Farm Animals. Diseases Caused R
by Bacteria and Fungi

Abs Jour: Ref Zhur-Biologiya, No 16, 1958, 74183

Author : Kolesov, S. G.

Inst : State Scientific-Inspection Institute of Veterinary Drugs

Title : On the Results of Vaccinating Farm Animals Against Anthrax with a Single Tsenkovskiy Booster

Orig Pub: Tr. Gos. nauchno-kontrol'n. in-ta vet. preparatov, 1957, 7, 201-205

Abstract: No abstract.

Card 1/1

Country : USSR
Category : Microbiology. Microbes Pathogenic For Man and Animals.
 Aerobic Bacilli
Abs. Jour : Ref Zhur-Biol., No 23, 1958, No 103861

Author : Kolesov, S. G.; Kleptsov, Y. S.; Kalganova V. N.
Institut. : State Scientific Control Institute of Veterinary*
Title : Obtaining Anthrax Antiserum From Oxen By Means of
 Hyperimmunization With a Virulent Anthrax Culture

Orig Pub. : Tr. Gos. nauchno-kontrol'n. in-ta vet. preparatov,
 1957, 7, 209-210.
Abstract : No abstract.

*Preparations

Card: 1/1

F-57

USSR / Diseases of Farm Animals. Diseases Caused by
Bacteria and Fungi

R

Abs Jour: Ref Zhur-Biologiya, No 16, 1958, 74181

Author : Kolesov, S. G., Mikhaylov, N. A., Borisovich, Yu. F.

Inst : Not given

Title : Aluminum Hydroxide Vaccine Against Anthrax

Orig Pub: Veterinariya, 1957, No 10, 39-45

Abstract: No abstract.

1/1

2

Country	: USSR
Category	: Microbiology. Microbes Pathogenic For Man and Animals. Aerobic Bacilli.
Abs. Jour	: Ref Zhur-Biol., No 23, 1958, No 103866
Author	: Kolesov A.G.; Mikhaylov N.A.
Institut.	: State Scientific Central Institute for Veterinary*
Title	: Checking of Immunogenic Properties of the Matrices of the First Tsenkovskiy Vaccine on Laboratory Animals
Orig Pub.	: Tr. Gos. nauchno-kontrol'n. in-ta vet. preparatov, 1957, 7, 206-208
Abstract	: No abstract.
	*Preparations
Card:	1/1

KOLESOV, S.G., professor.

Preventive inoculation against malignant anthrax in domestic animals in foreign countries. Veterinariia 34 no.1:86-89 Ja '57. (MLRA 10:2)

1. Gosudarstvennyy nauchno-kontrol'nyy institut veterinarnykh preparatov.

(Anthrax--Preventive inoculation)

KOLESOV, S.G., professor.

Results of inoculating farm animals for anthrax with TSenkovskii's second vaccine alone. Veterinaria 34 no.7:48-51 J1 '57.
(MLRA 10:8)

1.Gosudarstvennyy nauchno-kontrol'nyy institut veterinarnykh
preparatov Ministerstva Sel'skogo khozyaystva SSSR.
(Anthrax--Preventive inoculation)

KOLESOV, S.G., prof.; MIKHAYLOV, N.A., kand. vet. nauk; BORISOVICH, Yu.F.,
mladshiy nauchnyy sotrudnik.

Aluminum hydroxide vaccine against malignant anthrax. Veterinariia
34 no.10:39-45 O '57. (MLRA 10:11)

1. Gosudarstvenny nauchno-issledovatel'skiy institut veterinarnykh
preparatov Ministerstva sel'skogo khozyaystva SSSR.
(Anthrax--Preventive inoculation)

KOLESOV, S.G.
KOLESOV, S.G., prof.

Scientific principles behind the activities and achievements of the
biological products industry. Veterinariia 34 no.12:21-21 D '57.
(MIRA 11:1)

1. Gosudarstvennyy nauchno-kontrol'nyy institut vетпрепараторов
Ministerstva sel'skogo khozyaystva SSSR.
(Vaccines) (Serum)

KOLESOV, Semen Georgievich

[Anabiosis of pathogenic microorganisms] Anabios patogennykh
mikroorganizmov. Moskva, Sel'khozgiz, 1959. 141 p.

(Micro-organisms, Pathogenic)

(MIRA 13:4)

KOLESOV, S. G.

Professor, State Scientific-Control Institute of Veterinary
Preparations.

"Methods of Prophylactic Vaccination Must be Improved."

Veterinariya, Vol. 38, No. 1, p. 27, 1961.

KOLESOV, S. G., (Professor, Director of the Institute)

The tasks of the State Scientific-Control Institute for Veterinary
Preparations, USSR Ministry of Agriculture.

Veterinariya vol. 38, no. 10, October 1961, pp. 14.

KOLESOV, S. G., ZVIAGIN, I. V.,

"The Seventh International Congress of the Permanent Section on Standardization of Biopreparations."

Veterinariya, Vol 39, no 1, Jan 1962. pp 82

S/205/61/001/004/022/032
D298/D303

AUTHORS: Silent'yev, Ye. I., Ankudinov, V. A., and Kolesov, S. G.
TITLE: Immunity to anthrax with exposure to ionizing radiation
PERIODICAL: Radiobiologiya, v. 1, no. 4, 1961, 580-582

TEXT: The aim of the work was to study the possibility of creating specific immunity to anthrax with exposure to ionizing radiation. An attempt was made to establish specific immunity in irradiated animals before and after immunization, after the elapse of the acute symptoms which normally continue for about 3 weeks. The tests were run on guinea pigs divided into 2 groups: group I—irradiation, immunization, infection; group II—immunization, irradiation, infection. Group I was irradiated with a ГУТ Co-400(GUT Sc-400) telegamma apparatus at an intensity of 28 r/min. and group II with an РУМ-3 (RUM-3) apparatus at an intensity of 32 r/min. Each guinea pig received a single dose ranging from 170 – 185 r. A liquid, live anthrax vaccine containing 30 – 33 million live spores per ml was used for vaccination. It was found that

Card 1/2

27.3300

41115
S/016/62/000/011/001/001
D037/D112AUTHORS: Silant'yev, Ye.I., Ankudinov, V.A. and Kolesov, S.G.

TITLE: Anthrax immunity upon the action of ionizing radiation on the organism

PERIODICAL: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 11, 1962, 121-123

TEXT: The purpose of this study was to examine the possibility of developing a specific immunity to anthrax in animals irradiated before and after inoculation with live anthrax vaccine. In experiments on two groups of guinea pigs the relationship between the anthrax immunity and a mild form of radiation sickness was studied. Three out of 22 animals irradiated prior to immunization perished. None of the animals irradiated after immunization died. Conclusions: (1) Radiation doses causing a relatively mild form of radiation sickness have no effect on the formation of a specific anthrax immunity and do not change the animal's resistance to this infection after vaccination, provided that the interval between immunization and

Card 1/2

Anthrax immunity upon the action of ionizing radiation S/016/62/000/011/001/001
09/17/2001 CIA RDP86-00513R000723820009-0 D037/D112

irradiation is not less than 9-10 days; (2) animals immunized before irradiation with low doses retained their specific anthrax immunity; (3) 2-3 weeks after the exposure of nonimmunized animals to the same radiation doses a stable anthrax immunity developed after inoculation with *CTH* (STI) vaccine. There is 1 table.

ASSOCIATIONS: Tsentral'nyy institut usovershenstvovaniya vrachey (Central Advanced Training Institute for Physicians) and Gosudarstvennyy nauchno-kontrol'nyy institut veterinarnykh preparatov (State Scientific Institute for the Control of Veterinary Preparations)

SUBMITTED: April 17, 1962

Card 2/2

KOLESOV, S.G.; ZVYAGIN, I.V.

Seventh International Congress of the Permanent Section on
Standardization of Biological Preparations. Veterinariia 39
no.1:82-86 Ja '62. (MIRA 15:2)
(Biological products...Standards)

KOLESOV, Semen Georgievich

"Measures for fighting anthrax and the elimination of this disease."

report to be submitted at the 17th World Veterinary Congress,
Hanover, West Germany, 14-21 Aug 63.

KOLESOV, S.G., prof.

Objectives of the State Scientific Control Institute for
Veterinary Preparations of the Ministry of Agriculture of the
U.S.S.R. Veterinariia 38 no.10:14-16 O '61. (MIRA 1612)

1. Direktor Gosudarstvennogo nauchno-kontrol'nego instituta
veterinarnykh preparatov Ministerstva sel'skogo khozyaystva
SSSR.

(Veterinary research)

LIKACHEV, N.V., prof.; AGRINSKIY, N.I., prof.; SYURIN, V.N., prof.;
SPESIVTSEVA, N.A., prof.; KOLOBOLOTSKIY, G.V., prof.;
ZOLOTAREV, N.A., prof.; KORYAZHNOV, V.P., prof.; KOLESOV,
S.G., prof.; BABICH, M.A., prof.; PETROV, A.M., prof.; ZOTOV,
A.P., prof.; DOROFEEV, K.A., prof.; POLYKOVSKIY, M.D., prof.;
SOLOMKIN, P.S., prof.; ORLOV, Ye.S., prof.; KOTOV, V.T., prof.;
TRILENKO, P.A., prof.; LYUBASHENKO, S.Ya., prof.; USACHEVA,
I.G., red.; YARNYKH, A.M., red.; BALLOD, A.I., tekhn. red.

[Veterinary laboratory practice]-Veterinarnaia laboratornaia
praktika. Moskva, Sel'khozizdat. Vol.[General microbiological
methods of investigation] Obshchie mikrobiologicheskie metody is-
sledovaniia. 1963. 566 p. Vol.2. [Biochemical, chemico-
toxicological, and veterinary hygienic methods of investigation]
Biokhimicheskie, khimiko-toksikologicheskie i zoogigienicheskie
metody issledovaniia. 1963. 431 p. (MIRA 16:8)

(Veterinary laboratories)

KOLESOV, S.G., prof.

Role of vaccination prophylaxis of infectious diseases during various states of the animal organism. Veterinariia 39 no.1:16-20 Ja '63.
(MIRA 16:6)

1. Gosudarstvennyy nauchno-kontrol'nyy institut veterinarnykh
preparatov.

(Communicable diseases in animals--Preventive inoculation)

SILANT'YEV, Ye.I.; ANKUDINOV, V.A.; KOLESOV, S.G.

Immunity to anthrax induced by the action of ionizing
radiation on the organism. Radiobiologija 1 no.4:580-582
'61. (MIRA 17:2)

1. TSentral'nyy institut usovershenstvovaniya vrachey i
Nauchno-kontrol'nyy institut veterinarnykh preparatov,
Moskva.

SILANT'YEV, Ye.I.; ANKUDINOV, V.A.; MOLESOV, S.G.

Anthrax immunity following the effect of ionizing radiations on the body. Zhur. mikrobiol., epid. i immun. 33 no.11:121-123 N '62. (MIRA 17:1)

1. Iz TSentral'nogo instituta usovershenstvovaniya vrachey i Gosudarstvennogo nauchno-kontrol'nogo instituta veterinarnykh preparatov.

KOLESOV, S.G., zasluzhennyj deyatel' nauki RSFSR

State of measures for the control of anthrax. Veterinariia
41 no.11:25-27 N '64. (MIRA 18:11)

1. Gosudarstvennyy nauchno-kontrol'nyy institut veterinarnykh
preparatov.

KOLESOV, S.N.

Polygraphic Investigation of the Behavior of Gossypol." Cand Tech Sci,
Central Asian Polytechnic Inst, Min Culture USSR, Tashkent, 1953. (KL, No 14,
Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations
Defended at USSR Higher Educational Institutions (16)

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000723820009-0

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000723820009-0"

KAREMAN, A.L.; KOLESOV, S.N.

Effect of temperature and oxidizing agents on gossypol studied in
model prepares. Zhur.prikl.khim. 29 no.3:424-432 Mr '56.

(MLRA 9:8)

1. Sredneaziatskiy politekhnicheskiy institut.
(Gossypol)

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000723820009-0

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000723820009-0"

MARKMAN, A.L.; KOLESOV, S.N.

Polarographic analysis of the behavior of gossypol in black cotton-seed oils and alkaline solutions. Dokl. AN Uz. SSR no.10:25-29 '57.
(MIRA 11:5)

I. Sredneaziatskiy politekhnicheskly institut. Predstavлено akademikom AN UzSSR A.S. Sadykovym.

(Gossypol)

KOLESOV, S.N.

In vivo changes in gossypol in cotton seeds of several commercial varieties under the influence of peroxides. Dokl.AN Uz.SSR no.11: 41-43 : 58. (MIRA 11:12)

1. Tashkentskiy elektrotekhnicheskiy institut svyazi. Predstavлено akademikom AN UzSSR S.Yu. Yunusovym.
(Peroxides) (Cottonseed) (Gossypol)

KOLESOV, S.N.; VVEDENSKAYA,L.A.; KHARIN, A.N., prof., retsentent;
LOVTSOV, V.M., dots., retsentent; LIKONTSEV, N.N., kand.
tekhn. nauk, retsentent; PUTILOVA, I.N., prof., doktor
khim. nauk, red.; TROFIMOV, F.D., red.; BAKHTIYAROV, A.,
tekhn. red.

[Laboratory work in general chemistry] Praktikum po ob-
shchei khimii. Tashkent, Gos.izd-vo Uzb.SSR, 1960. 141 p.
(MIRA 17:4)

1. Zaveduyushchiy kafedroy khimii Taganrogskogo radiotekhni-
cheskogo instituta (for Kharin). 2. Zaveduyushchaya kafedroy
khimii Moskovskogo elektrotekhnicheskogo instituta (for
Putilova).

KOLESOV, S.N.

Dielectric behavior of cottonseed oil. Izv. AN Uz. SSR. Ser.
tekhn. nauk 7 no.5:82-85 '63. (MIRA 17:2)

1. Tashkentskiy elektrotekhnicheskiy institut svyazi.

KOLESOV, S.N.

Concentration dependence of the dielectric properties of
micelles. Izv. AN Uz. SSR. Ser. tekhn. nauk 8 no.1:23-27 '64.
(MIRA 17:6)
1. Tashkentskiy elektrotekhnicheskiy institut svyazi.

KOLESOV, S.N.

Change in the dielectric and chemical properties of cottonseed oil by oxidizing polymerization. Izv. AN Uz. SSR Ser. fiz.-mat. nauk 8 no.3:44-48 '64. (MIRA 17:10)

1. Tashkentskiy elektrotehnicheskiy institut svyazi.

KOLESOV, S.N.

Change in the dielectric properties, viscosity, and molecular weight of cotton oil due to oxidizing polymerization. Izv. AN Uz.SSR. Ser. fiz.-mat. nauk 8 no.4:47-52 '64.

1. Tashkentskiy elektrotehnicheskiy institut svyazi.

(MIRA 18:3)

KOLESOV, S.N.

Electrode system for the electric breakdown of thin dielectric
specimens. Zav. lab. 31 no.9:1152 '65. (MIRA 18:10)

1. Tashkentskiy elektrotekhnicheskiy institut svyazi.

L13356-66(4)

ENT(m)/EWP(j)/T/ETC(n)

ACC NR: AP6002483

WW/RM

SOURCE CODE: UR/0191/66/000/001/0050/0052

AUTHOR: Kolesov, S. N.

ORG: none

TITLE: Investigation of aging of polytetrafluoroethylene under the action of
electrical discharges

SOURCE: Plasticheskiye massy, no. 1, 1966, 50-52

TOPIC TAGS: polymer, polytetrafluoroethylene, thermal aging, dielectric loss, electric discharge

ABSTRACT: The electric relaxation time (position of the temperature maximum of dielectric losses - T_m) and the infrared spectra of polytetrafluoroethylene as a function of aging due to the action of electric discharges were studied. The experimental technique followed that described previously by the author DAN UkrSSR, No. 3, 1965. The apparent activation energy of relaxation and glass transition temperatures before and after aging were determined, and the results are presented graphically (see Fig. 1). It was found that, as a result of electrical discharges, the relaxation time decreased, whereas the dielectric losses increased and the time relaxation was broadened. A study of the IR spectra of agent specimens showed an absorption band at 950 cm^{-1} , the intensity of which increased with the length of time during which the specimens were exposed to the action of the electric discharge. It

Card 1/2

UDC: 678.01 : 743.41 - 539.389

L 13356-66

ACC N°: AP6002483

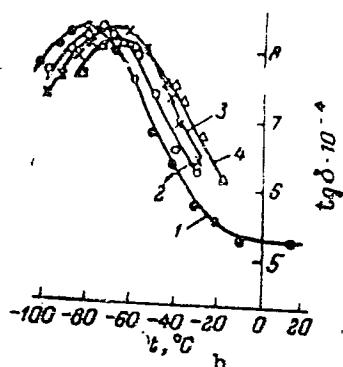
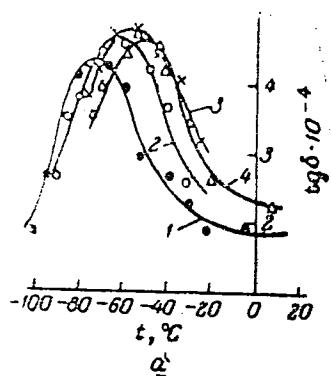


Fig. 1. Dependence of the tangent of the dielectric loss angle $\text{tg}\delta$ on the temperature: a - before aging; b - after aging under the action of electric discharge.
Measuring frequency: 1 - 1 kilocycle; 2 - 10 kilocycles; 3 - 50 kilocycles; 4 - 100 kilocycles.

is concluded that the increase in the tangent of the angle of dielectric loss is due to the presence of polar groups in the polytetrafluoroethylene. The latter are believed to have formed as a result of the action of the discharge and of ozone. Orig. art. has: 1 table and 4 graphs.

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 014/ OTH REF: 016
Card 2/2 507/

KOLESOV, S.N.

Dependence of u , T_o , and T_s in polymerized vegetable oils
on the molecular weight of their samples. Izv. AN Uz. SSR.
Ser. fiz.-mat. nauk 9 no.1:69-75 '65. (MLRA 18:6)

1. Tashkentskiy elektrotehnicheskiy institut svyazi.

I. 32757-66 EWP(j)/EWT(m)/T LJP(c)
ACC NR: AP6012710

(A)

RMAD

SOURCE CODE: UR/0190/66/008/004/0650/0655

AUTHOR: Kolesov, S. N.

ORG: Tashkent Electrotechnical Institute of Communications (Tashkentskiy elektro-tehnicheskiy institut Wyazi)

TITLE: Effect of the type of plasticizer on the dielectric properties of polystyrene

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 4, 1966, 650-655

TOPIC TAGS: plasticizer, polystyrene, dielectric property, activation energy

ABSTRACT: The pattern of change in the position of the frequency maximum, vitrification temperature and value of the apparent activation energy of the dipole-elastic relaxation in polystyrene depending on the number and type of the added plasticizers was determined. It is shown that the apparent activation energy of dipole elastic relaxation in polystyrene with increased plasticizer content at first decreases and then asymptotically approaches the constant value. Orig. art. has: 5 figures.
[Based on author's abstract.]

[NT]

SUB CODE: 11, 20/SUBM DATE: 15Apr65/ ORIG REF: 014/ OTH REF: 002/

Card 1/1 S

UDC: 678.01:53+678.746

Card 1/1

L 11287-67 EMT(m)/EMT(t)/ETI IJP(c) JD

ACC NR: AR0023330 SOURCE CODE: UR/0276/66/000/003/B030/B040

AUTHOR: Kolesov, S. N.; Vaulina, Yu. P.

TITLE: A method for silverplating steel components

SOURCE: Ref. zh. Tekhnologiya mashinostroyeniya, Abs. 3B304

REF SOURCE: Sb. Vopr. teorii i nadezhnosti apparatury i kanalov svyazi. Tashkent, Nauka, 1965, 140-141

TOPIC TAGS: copper plating, metal plating, silver

ABSTRACT: The article is a report on development of a simple and economic method for depositing a copper sublayer on steel components for subsequent silverplating. Before application of the copper coating, the components are degreased and scoured and then washed in water. The copper plating is done in an electrolyte with the following composition (in g/l): copper sulfate--31, ammonia--6.5, glycerin--18 and caustic soda--44. Any widely used method is then used for silverplating. [Translation of abstract]

SUB CODE: 11

Card 1/1 jb

UDC: 621.357.7:669.222

KOLESOV, Svyatoslav Nikolayevich; VVEDENSKAYA, Lyudmila
Andreyevna; KHARIN, A.N., prof., retsenzent; RUSTAMOV,
Kh.R., prof., retsenzent; RAYTSYN, G.A., dots.,
retsenzent; LOVTSOV, V.M., dots., retsenzent; LIKONTSEV,
N.N., dots., retsenzent; PUTILOVA, I.N., doktor khim.
nauk, prof., red.; MAKUSHENKO, Ye.N., red.

[Laboratory work in general chemistry] Praktikum po ob-
shchei khimii. Izd.2., perer. i dop. Tashkent, Sredniaia
i vysshaia shkola, 1963. 186 p. (MIRA 17:12)

1. Zaveduyushchaya kefedroy khimii Moskovskogo elektro-
tekhnicheskogo instituta svyazi (for Putilova).

KHARITONOV, Nikolay Pavlovich; KOLESOV, S.V., red.; MYASNIKOVA, T.F.,
tekhn. red.

[Protection of the human body from electric currents] Zashchita
cheloveka ot toka. Moskva, Voen.izd-vo M-va oborony SSSR, 1961.
35 p. (MIRA 14:12)

(Electricity, Injuries from)
(Electricity—Safety measures)

YAGODIN, Vladimir Pavlovich; KOLESOV, S.V., red.; KRASAVINA, A.M.,
tekhn. red.

[Radio teletype engineering] Tekhnika bukvopechataiushchei radio-
sviazi. Moskva, Voen.izd-vo M-va otor. SSSR, 1961. 149 p.

(MIRA 15:1)

(Telegraph, Wireless) (Teletype)

VOL'KOV, P.P., inzh.-polkovnik; SHTEYNFEL'D, M.B., inzh.-podpolkovnik;
PESTOV, S.A., inzh.-podpolkovnik; KOLESOV, S.V., red.; KONOVALOVA,
Ye.K., tekhn. red.

[Laboratory wor on electric engineering and electric power supply]
Laboratornye raboty po elektrrotekhnike i elektropitaniiu. [By] P.P.
Volkov, M.B.Shtainfeld, S.A.Pestov. Moskva, Voenizdat, 1962. 247 p.
(MIRA 15:6)

(Electric laboratories)

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000723820009-0

Gerasimov, V.P.; Kolesov, S.Ya.

Data telemetering system for electrophysical units. Elektrofiz.
app. no. 2:131-138 '64. (Mika 18;3)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000723820009-0"

Kolesov, V.

Kolesov, V.; Volkov, L.

Kolesov, V.; Volkov, L. Improving the efficiency of centrifugal
cleaning machines. Tr. from the Russian.
p. 176.

Vol. 11, No. 8, Aug. 1956

PAPIR A CELULOSA

TECHNOLOGY

Czechoslovakia

So. East European Accessions, Vol. 6, No. 5, May 1957

ACC NR: AP6006504

(A) SOURCE COPY

1977, U.S. Ambassador, Moscow

PG. 63

No failures in diesel power plants

in the Dniprophenize, etc.

Diesel engine, electric

The ID6-100AD and ESD-50-VG types is discussed. The power plants
operation was criticised and various recommendations for regular engine
upkeep, attendance and maintenance were emphasized. It was mentioned
as a reminder, that before starting the ID6-100AD
sure in the lubricating system.

Plant, and oil filters are recommended.
ESD-50-VG plant, and oil filters are recommended.
Special care must be taken with the ESD-50
and regular adjustments of

KOLESOV, V.

Novye puti (New ways). Izd. 2-e, dop. Moskva, Profizdat, 1953. 136 p.
(Novatory sots. proizvodstva)

SO: Monthly List of Russian Accessions, Vol. 7, No. 6, Sep. 1954

KOLESOV, V., inzh.

Selecting types of breakwaters. Rech. transp. 19 no. 6:61 Je '60.
(Breakwaters) (MIRA 14:2)

SEDOV, L., inzh.; KOLESOV, V.

Impulse-type voltage regulated flashtube attachment.
no.9:48-50 S '61. (USSR)

(Photography, Flash-light, Equipment and supplies)

SIMON, K.; GORINOVA, M.; KOLESOV, V.; SANDOMIRSKIY, V.; GASANOV, K.

Commodity experts reply. Sov.torg. 35 no.7:50-54 Jl '62.

(MIRA 15:11)

1. Zaveduyushchiy sektsiyey torgovoy bazy Rostekstil'torga, Abakan (for Simon).
2. Tovaroved torgovoy bazy Rostekstil'torga, Abakan (for Gorinova).
3. Zaveduyushchiy torgovym otdelom Yerevsevskogo sel'skogo potrebitel'skogo obshchestva, Vologodskaya obl. (for Kolesov).
4. Zamestitel' direktora magazina No.16 "Diyeticheskaya produkty", Khar'kov (for Sandomirskiy).
5. Glavnnyy tovaroved optovoy bazy Azerbobuv'torga, Baku (for Gasanov).

(Commerce)

KOLESOV, V.A., tokar'.

Ten norms by shift. Nauka i zhizn' 20 no.5:33-35 Ky '53. (MLB 6:6)

1. Srednevolzhskiy stankostroitel'nyy zavod. (Turning)

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000723820009-0

KOLESOV, V.A., tokar'.

Discussion of the experiment in the use of cutters proposed by the innovator, comrade Kolesov, V.A. Stan. i instr. 24 no.5:35-36 Ky '53.

(MLRA 6:6)
(Machine tools)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000723820009-0"

KOLESOV, Vasiliiy Aleksandrovich, tokar'; KULIKOV, P., red.; SPIRIDONOV, N.,
tekhn.red.

[Power metal cutting] Silovoe rezanie metallov. Kuibyshevskoe
knizhnoe izd-vo, 1953. 76 p. (MIRA 12:3)

1. Srednevolzhskiy stankostroitel'nyy zavod (for Kolesov).
(Metal cutting)

KoLESOV, V.A.

SP(1)	NAME & BOOK INFORMATION	09/3779
	Uprabot chelovekotekhnicheskoy obshchestvo mehhanicheskoy proizvodstva. Zadaniya tekhnicheskoy promstoynosti.	
	Chelovekotekhnicheskoy produkci. (Prilozheniya k Translaci.) Moscow, Maschiz, 1979. 263 p. (Series: 11a: Trudy, v.72, 52) 5,000 copies printed.	
	No. 1. V.P. Chernenko, Conditions of Specialized Activities, Institute Techn. Sci.: I.V. Cherenko, Institute of Mechanics and Machine Technology (Kazanograd, Novosibirsk); Ya.S. Krasov, Machine Technology (Kazanograd, Novosibirsk).	
	PURPOSE: This book is intended for engineering and technical personnel in the field of hydrostatic transmission. It may also be used as a textbook for students of higher technical schools.	
	CONTENTS: The book is a collection of 20 papers read at the first conference on hydrostatic transmissions held in Leningrad from 9-11 December, 1977, at which problems of calculation, design, production and operation of hydrostatic drives and hydrostatic converters widely used in industry were discussed.	
	1. V.P. Chernenko, Development of Hydrostatic Transmission Systems and Their Application in the USSR A brief account of the development of hydrostatic transmission in the USSR and abroad is given and basic trends in future development are discussed.	9
	2. Slobodchikov, A.I. Present State of the Theory of Calculation of Gear-type Gearboxs, Plan of Hydrostatic Transmissions and Their Further Development	15
	3. Gorbilchenko, B.-A. Some Problems in Calculating Hydrodynamic Gearboxs	42
	4. Medvedovich, Ye. I. Application of the Four Energy Theory of Hydrostatic Transmissions and Design of Hydrostatic Converters and Hydrodynamic Transmissions	47
	5. Slobodchikov, A.I. Investigation of the Influence of Basic Geometric Parameters of Sectors on the Characteristics of one-stage Hydrostatic Converters	62
	6. Elistser, E.M. Influence of Hydrostatic Converter Parameters and the Transmission Ratio on the Operation of Gearlike	63
	7. Slobodchikov, M.P. Experience in Designing Producing, and Operating Marine Hydrostatic Transmissions	101
	8. Slobodchikov, A.P. Experience in Designing, Producing and Testing Hydrostatic Converters	103
	9. Slobodchikov, I.A. Influence of the Combined Characteristics of Hydrostatic Converters and External Combustion Engines on Basic Indicators of the Power Plant	115
	10. Experience in Designing, Testing, and Operating Turbo- compressors of Gasoline Machines Used in the Petroleum Industry	126
	11. Shchukin, R.I. Using a Turbine Converter on Gasoline Engines	139
	12. Batalashov, N. I. Choices of Parameters and Design for a Turbo-converter Working With Universal Diesel-operated Excavators	171
	13. Abramovskiy, D.-A. Characteristics of Reversing Ships	182
	14. Kostomarov, F.O. Investigation of Clutches in the Hydrostatic Excavator Laboratory of the Academy of Sciences, USSR	189
	15. Cherenko, A.G. Hydro-mechanical Transmissions of Mine Diesel Cars	201
	16. Goryainov, L.P., and V.P. Cherenko, Some Problems of Hydrodynamic Transmission Technology	207

Card #3

KOLESOV, V. A.

Electric Switchgear

Improving the operation of signal instruments type PS. Rab. energ. 3 No. 2,1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

KOLESOV, V.D., podpolkovnik med.sluzhby

Polyglucine in the prevention of surgical shock. Sbor.nauch.
trud.Kiev.okruzh.voen.gosp. no.4:17-18 '62.

(DEXTRANS)

(SHOCK)

(MIRA 16:5)

EKOLESOV, V.D., podpolkovnik med.sluzhby

Our experience in lung surgery. Sbor.nauch.trud.Kiev.okrush.voen.
gosp. no.4:60-63 '62. (MIRA 16:5)
(LUNGS—SURGERY)

BEZUGLYY, A.Ye. (Kiyev, 105, prospekt Mira, 55, kv. 29); KOLESOV, V.D.

Experience in the clinical use of the UKL-60 apparatus in esophageal, gastric and intestinal surgery. Vest. khir. 92 no.1:79-81
Ja '65.

(MIRA 17:11)

1. Iz voyennogo gospitalya, Kiyev.

S/089/63/014/003/005/020
B102/B186

AUTHOR: Kolesov, V. F.

TITLE: On the dynamics of a spherically symmetric fast burst reactor

PERIODICAL: Atomnaya energiya, v.14, no. 3, 1963, 273 - 280

TEXT: The main problems arising in the self-control of fast burst reactors on account of the thermal expansion of the core are theoretically analyzed; the dependence of the expansion on the power and on the fission factor are determined on the basis of the linear elasticity theory and perturbation theory. The core is assumed to be an ideally elastic sphere, either homogeneous or consisting of four symmetric shells. The calculations are based on the kinetic equation

$$\frac{dn}{dt} = \frac{k(1-\beta)-1}{\tau_0} n + \sum_{i=1}^l \frac{\lambda_i \beta_i}{\tau_0} \times \int n(\xi) \exp[-\lambda_i(t-\xi)] d\xi + \sum_{i=1}^l \lambda_i C_i(0) \exp[-\lambda_i t], \quad (1)$$

and the relation describing the radial displacement ($u(r,t)$) of the core material

$$(1+2\mu) \frac{\partial}{\partial r} \left(\frac{\partial u}{\partial r} + 2 \frac{u}{r} \right) - \beta_0 \frac{\partial \Theta}{\partial r} = Q \frac{\partial^2 u}{\partial t^2}, \quad (2)$$

Card 1/4

On the dynamics of a ...

S/089/63/014/003/005/020
B102/B186

n is the power (Mw), τ_0 the neutron lifetime in the reactor, λ_1 the decay constant, β_i the fraction of delayed neutrons, $c_1(0)$ the initial concentration of the parents of the delayed neutrons; $\phi(r, t)$ is the deviation of the local temperature from the initial, λ, μ are Lamé constants, $\beta_0 = (3\lambda + 2\mu)K$, K is the linear expansion coefficient. Expansion work, thermal diffusivity and surface forces are neglected. With $k(t) = k_0(t) + \Delta k(t)$ the change of k due to thermal expansion is obtained as

$$\Delta k(t) = a_0 q(t) + \int_0^t \frac{dn(\xi)}{d\xi} \sum_{k=1}^{\infty} b_k \sin \gamma_k(t - \xi) d\xi + \int_0^t q(\xi) \sum_{k=1}^{\infty} c_k \sin \gamma_k(t - \xi) d\xi, \quad (18).$$

This relation was found by substituting $u(r, t) = v(r, t) + g(r, t)$ where

$$v(r, t) = - \sum_{k=1}^{\infty} \frac{v_k(r)}{ah_k} \int_0^t A_k(\xi) \sin \frac{h_k}{a}(t - \xi) d\xi, \quad (16),$$

$$g(r, t) = \frac{\beta_0(\Theta_2 R_2 - \Theta_1 R_1)}{(3\lambda + 2\mu)(R_2 - R_1)} r + \frac{\beta_0 R_1 R_2 (\Theta_1 - \Theta_2)}{2\lambda(R_2 - R_1)}. \quad (10),$$

Card 2/4

S/089/63/014/003/005/020
B102/B186

On the dynamics of a ...

and holds for a shell with the radii R_1 and R_2 .

$$\Lambda_k(t) = \int_{R_1}^{R_2} r^2 f(r, t) v_k(r) dr / \int_{R_1}^{R_2} r^2 v_k^2(r) dr, \quad \gamma_k = h_k/a, \quad a_0, b_k, c_k \text{ are}$$

constants. For a core consisting of several shells,

$$\begin{aligned} \frac{dn}{dt} = & \left\{ (1 - \beta) \left[k_0(t) + b_0 q(t) + \int_0^t \frac{dn(\xi)}{d\xi} \sum_{k=1}^{\infty} \sum_{j=1}^p b_{kj} \sin \gamma_{kj}(t-\xi) d\xi + \right. \right. \\ & \left. \left. + \int_0^t q(\xi) \sum_{k=1}^{\infty} \sum_{j=1}^p c_{kj} \sin \gamma_{kj}(t-\xi) d\xi \right] - 1 \right\} \frac{n}{\tau_0} + \int_0^t n(\xi) \sum_{i=1}^{\infty} \frac{\lambda_i \beta_i}{\tau_0} \exp[-\lambda_i(t-\xi)] d\xi + \\ & \left. + \sum_{i=1}^{\infty} \lambda_i C_i(0) \exp[-\lambda_i t] \right\}. \end{aligned} \quad (19).$$

The relations are somewhat simpler when only slow processes are considered in which the expansion is not delayed with respect to the temperature rise. Numerical calculations are carried out for a uniform sphere of Card 3/4

On the dynamics of a ...

S/089/63/014/003/005/020
B102/B186

20.5 cm diameter and for a composite core (an 8.2-cm sphere inside three concentric shells). The results show that for a spherical fast burst reactor the upper limit of the energy release after the burst is determined by stresses arising in the core material due to the nonuniformity of the temperature field and to dynamic effects. The latter become essential for an energy release of more than 0.25 Mev·sec. The thermal stresses can be reduced by several times by using a core with several shells. This does not influence the dynamic stresses. There are 6 figures and 1 table.

SUBMITTED: May 12, 1962

Card 4/4

MALINKIN, A.A.; NASYROV, F.; KOLESOV, V.F.

Characteristics of asymptotic neutron spectra in uranium.
Atom. energ. 18 no.2:181-183 F '65.

(MIRA 18:3)

EWT(d)/EWT(m)/EWA(d)/EMP(w)/EMP(k)/EWA(n) Pf-4/Peb ASD(d)/SSD/
-2/APGC(a)/ASD(a)-5/AEDC(a)/AFWL/RAEM(t)

AP4017442

S/0170/64/000/009/0064/0070

Popov, V. F.

Unsteady thermoelasticity problem in plates and cylindrical shells

Atomnaya-fizicheskii zhurnal, no. 9, 1964, 64-70

Thermoelasticity, cylindrical shell, shear stress, dynamic stress, transformation, Fourier transformation

problems in unsteady thermoelasticity were solved in order to study elastic stresses in reactor technology. First, an axially symmetric shell is considered. The governing equations are written for small

Boundary conditions are given by

$$\frac{\partial u}{\partial a} + \nu w = K_0(1+\nu)R\theta,$$

displacement along z axis of cylinder, w - radial displacement, ν - Poisson's ratio, $a = z/R$, R - cylinder radius. A parabolic profile is assumed for the temperature distribution in the shell expressed by

$$\theta(a, t) = D_1(1 - D_2 R^2 a^2) q(t) = \theta^0(a) q(t).$$

A74047442

$\sigma_{xx}(r, t)$, $w(r, t)$ is obtained by means of Laplace transforms and the carried out by using the convolution theorem. The normal stresses are

$$\hat{\sigma}_{xx} = \frac{E}{(1 - r^2) R} \left(\frac{\partial u}{\partial r} + w \right) - \frac{EK_0}{1 - r^2} \delta(r, t)$$

$$\hat{\sigma}_{rr} = \frac{E}{(1 - r^2) R} \left(\frac{\partial u}{\partial r} + w \right) - \frac{EK_0}{1 - r^2} \delta(r, t)$$

one considers a circular plate with the variable temperature

$$\beta(r, t) = D_3(1 - D_3r^2)q(t) = \theta^*(r)j(t)$$

and obtain, and only a radial displacement is considered. The obtained by means of Fourier transforms. Grig. art. nast. 25

Re

WPA

ENCL: 00

NO REF Sov: 003

OTHER: 002

ACCESSION NR: AF4029692

S/0089/64/016/004/0309/0314

AUTHOR: Kolesov, V. F.

TITLE: Some problems of the dynamics of pulse reactors

SOURCE: Atomnaya energiya, v. 16, no. 4, 1964, 309-314

TOPIC TAGS: pulse reactor, "Godiva" reactor, delayed neutron, pulse generation, prompt criticality, thermal damping, enriched uranium rod

ABSTRACT: A review of the operation of the U.S. "Godiva" reactor is followed by a discussion of another pulsing method wherein a rod moves through the canal of the reactor core at a constant speed not exceeding 100 m/sec. When this rod displacement method is used for pulsing purposes, the time between the insertion of the rod and the maximum pulse is strictly defined. Moreover, as a result of the rod flight and the thermal damping, the reactivity of the system for a pulse of average magnitude drops about 0.9×10^{-2} below the prompt criticality within a few milliseconds after the maximum pulsation, whereas under the first pulsing method, the decrease in reactivity is determined only by thermal damping and amounts to about

Card 1/2